

## Appendix A

### I. Exemplary Card Definitions

<CardData> ; definition of one card

<Suit> SPADES </Suit>

5 <Rank> JACK </Rank>

</CardData>

### II. Exemplary Wild Card Definition Matching Any Card and Any Suit

<CardData>

10 <Suit> SPECIAL </Suit>

<Rank> WILD </Rank>

<Matches>

<Suit> ANY </Suit>

<Rank> ANY </Rank>

15 </Matches>

</CardData>

### III. Exemplary Wild Card Definition Matching Any Rank In Spades Suit

20 <CardData>

<Suit> SPADES </Suit>

<Rank> WILD </Rank>

<Matches>

<Suit> SPADES </Suit>

25 <Rank> ANY </Rank>

<Matches>

</CardData>

#### IV. Exemplary Game Rules Script

```
<ComboSet>

  <Combo>
5    <WinID> 1 </WinID> ; royal flush
      <WinAmount> 800 </WinAmount>

      <RuleSet>
10      <Match> <Rank> <Value> 1 </Value> </Rank> </Match> ; match ace
          <Match> <Suit> <SameAs> 0 </SameAs> </Suit> <Rank> <Value> 10
          </Value> </Rank> </Match> ; matches if rank is 10
          <Match> <Suit> <SameAs> 0 </SameAs> </Suit> <Rank> <OneMoreThan> 1
15      </OneMoreThan> </Rank> </Match> ; matches if rank is one more than second
          card
          <Match> <Suit> <SameAs> 0 </SameAs> </Suit> <Rank> <OneMoreThan> 2
          </OneMoreThan> </Rank> </Match> ; matches if rank is one more than third
          card
          <Match> <Suit> <SameAs> 0 </SameAs> </Suit> <Rank> <OneMoreThan> 3
20      </OneMoreThan> </Rank> </Match> ; matches if rank is one more than fourth
          card
          </RuleSet>
      </Combo>

25

  <Combo>
      <WinID> 5 </WinID> ; straight flush
      <WinAmount> 50 </WinAmount>

30      <RuleSet>
          <Match> </Match> ; match any card
          <Match> <Suit> <SameAs> 0 </SameAs> </Suit> <Rank> <OneMoreThan> 0
          </OneMoreThan> </Rank> </Match> ; matches if rank is one more than first
          card
35      <Match> <Suit> <SameAs> 0 </SameAs> </Suit> <Rank> <OneMoreThan> 1
          </OneMoreThan> </Rank> </Match> ; matches if rank is one more than second
          card
          <Match> <Suit> <SameAs> 0 </SameAs> </Suit> <Rank> <OneMoreThan> 2
          </OneMoreThan> </Rank> </Match> ; matches if rank is one more than third
40      <Match> <Suit> <SameAs> 0 </SameAs> </Suit> <Rank> <OneMoreThan> 3
          </OneMoreThan> </Rank> </Match> ; matches if rank is one more than fourth
          card
          </RuleSet>
45      </Combo>

      <Combo>
50      <WinID> 3 </WinID> ; four aces
          <WinAmount> 160 </WinAmount>

          <RuleSet>
          <Match> <Rank> <Value> 1 </Value> </Rank> </Match> ; match ace
55      <Match> <Rank> <Value> 1 </Value> </Rank> </Match>
          <Match> <Rank> <Value> 1 </Value> </Rank> </Match>
          <Match> <Rank> <Value> 1 </Value> </Rank> </Match>
          </RuleSet>
      </Combo>
```

```

5      <Combo>
      <WinID> 13 </WinID> ; four 2's
      <WinAmount> 80 </WinAmount>

      <RuleSet>
10      <Match> <Rank> <Value> 2 </Value> </Rank> </Match> ; match 2
      <Match> <Rank> <Value> 2 </Value> </Rank> </Match>
      <Match> <Rank> <Value> 2 </Value> </Rank> </Match>
      <Match> <Rank> <Value> 2 </Value> </Rank> </Match>
      </RuleSet>
15  </Combo>

      <Combo>
      <WinID> 13 </WinID> ; four 3's
      <WinAmount> 80 </WinAmount>

20      <RuleSet>
      <Match> <Rank> <Value> 3 </Value> </Rank> </Match> ; match 3
      <Match> <Rank> <Value> 3 </Value> </Rank> </Match>
      <Match> <Rank> <Value> 3 </Value> </Rank> </Match>
      <Match> <Rank> <Value> 3 </Value> </Rank> </Match>
25  </RuleSet>
      </Combo>

      <Combo>
30      <WinID> 13 </WinID> ; four 4's
      <WinAmount> 80 </WinAmount>

      <RuleSet>
      <Match> <Rank> <Value> 4 </Value> </Rank> </Match> ; match 4
35      <Match> <Rank> <Value> 4 </Value> </Rank> </Match>
      <Match> <Rank> <Value> 4 </Value> </Rank> </Match>
      <Match> <Rank> <Value> 4 </Value> </Rank> </Match>
      </RuleSet>
40  </Combo>

      <Combo>
      <WinID> 14 </WinID> ; four 5
45      <WinAmount> 50 </WinAmount>

      <RuleSet>
      <Match> <Rank> <Value> 5 </Value> </Rank> </Match> ; match 5
      <Match> <Rank> <Value> 5 </Value> </Rank> </Match>
      <Match> <Rank> <Value> 5 </Value> </Rank> </Match>
      <Match> <Rank> <Value> 5 </Value> </Rank> </Match>
50  </RuleSet>
      </Combo>

      <Combo>
55      <WinID> 14 </WinID> ; four 6
      <WinAmount> 50 </WinAmount>

      <RuleSet>
      <Match> <Rank> <Value> 6 </Value> </Rank> </Match> ; match 6
60      <Match> <Rank> <Value> 6 </Value> </Rank> </Match>

```

```

    <Match> <Rank> <Value> 6 </Value> </Rank> </Match>
    <Match> <Rank> <Value> 6 </Value> </Rank> </Match>
  </RuleSet>
5 </Combo>

  <Combo>
    <WinID> 14 </WinID> ; four 7
    <WinAmount> 50 </WinAmount>

10    <RuleSet>
      <Match> <Rank> <Value> 7 </Value> </Rank> </Match> ; match 7
      <Match> <Rank> <Value> 7 </Value> </Rank> </Match>
      <Match> <Rank> <Value> 7 </Value> </Rank> </Match>
      <Match> <Rank> <Value> 7 </Value> </Rank> </Match>
15    </RuleSet>
  </Combo>

  <Combo>
    <WinID> 14 </WinID> ; four 8
20    <WinAmount> 50 </WinAmount>

    <RuleSet>
      <Match> <Rank> <Value> 8 </Value> </Rank> </Match> ; match 8
      <Match> <Rank> <Value> 8 </Value> </Rank> </Match>
25    <Match> <Rank> <Value> 8 </Value> </Rank> </Match>
      <Match> <Rank> <Value> 8 </Value> </Rank> </Match>
    </RuleSet>
  </Combo>

30  <Combo>
    <WinID> 14 </WinID> ; four 9
    <WinAmount> 50 </WinAmount>

    <RuleSet>
35    <Match> <Rank> <Value> 9 </Value> </Rank> </Match> ; match 9
      <Match> <Rank> <Value> 9 </Value> </Rank> </Match>
      <Match> <Rank> <Value> 9 </Value> </Rank> </Match>
      <Match> <Rank> <Value> 9 </Value> </Rank> </Match>
    </RuleSet>
40  </Combo>

  <Combo>
    <WinID> 14 </WinID> ; four 10
45    <WinAmount> 50 </WinAmount>

    <RuleSet>
      <Match> <Rank> <Value> 10 </Value> </Rank> </Match> ; match 10
      <Match> <Rank> <Value> 10 </Value> </Rank> </Match>
      <Match> <Rank> <Value> 10 </Value> </Rank> </Match>
50    <Match> <Rank> <Value> 10 </Value> </Rank> </Match>
    </RuleSet>
  </Combo>

  <Combo>
55  <WinID> 14 </WinID> ; four Jack
    <WinAmount> 50 </WinAmount>

    <RuleSet>
      <Match> <Rank> <Value> 11 </Value> </Rank> </Match> ; match Jack
60    <Match> <Rank> <Value> 11 </Value> </Rank> </Match>

```

```

    <Match> <Rank> <Value> 11 </Value> </Rank> </Match>
    <Match> <Rank> <Value> 11 </Value> </Rank> </Match>
  </RuleSet>
5  </Combo>

  <Combo>
    <WinID> 14 </WinID> ; four Queen
    <WinAmount> 50 </WinAmount>

10    <RuleSet>
      <Match> <Rank> <Value> 12 </Value> </Rank> </Match> ; match Queen
      <Match> <Rank> <Value> 12 </Value> </Rank> </Match>
      <Match> <Rank> <Value> 12 </Value> </Rank> </Match>
      <Match> <Rank> <Value> 12 </Value> </Rank> </Match>
15    </RuleSet>
    </Combo>

    <Combo>
20    <WinID> 14 </WinID> ; four King
      <WinAmount> 50 </WinAmount>

      <RuleSet>
        <Match> <Rank> <Value> 13 </Value> </Rank> </Match> ; match King
        <Match> <Rank> <Value> 13 </Value> </Rank> </Match>
25      <Match> <Rank> <Value> 13 </Value> </Rank> </Match>
        <Match> <Rank> <Value> 13 </Value> </Rank> </Match>
      </RuleSet>
    </Combo>

30    <Combo>
      <WinID> 7 </WinID> ; full house
      <WinAmount> 9 </WinAmount>
35    <RuleSet>
      <Match> </Match> ; match any card
      <Match> <Rank> <SameAs> 0 </SameAs> </Rank> </Match> ; matches if
rank is same as first card
40    <Match> </Match> ; match any card
      <Match> <Rank> <SameAs> 2 </SameAs> </Rank> </Match> ; matches if
rank is same as third card
      <Match> <Rank> <SameAs> 2 </SameAs> </Rank> </Match> ; matches if
rank is same as third card
45    </RuleSet>
    </Combo>

    <Combo>
50    <WinID> 8 </WinID> ; flush
      <WinAmount> 7 </WinAmount>

      <RuleSet>
        <Match> </Match> ; match any card
        <Match> <Suit> <SameAs> 0 </SameAs> </Suit> </Match> ; matches if
55    suit is same as first card
        <Match> <Suit> <SameAs> 0 </SameAs> </Suit> </Match> ; matches if
suit is same as first card
        <Match> <Suit> <SameAs> 0 </SameAs> </Suit> </Match> ; matches if
suit is same as first card

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```

    <Match> <Suit> <SameAs> 0 </SameAs> </Suit> </Match> ; matches if
    suit is same as first card
  </RuleSet>
</Combo>

```

5

```

  <Combo>
    <WinID> 9 </WinID> ; straight
    <WinAmount> 5 </WinAmount>

    <RuleSet>
      <Match> </Match> ; match any card
      <Match> <Rank> <OneMoreThan> 0 </OneMoreThan> </Rank> </Match> ;
15 matches if rank is one more than first card
      <Match> <Rank> <OneMoreThan> 1 </OneMoreThan> </Rank> </Match> ;
      matches if rank is one more than second card
      <Match> <Rank> <OneMoreThan> 2 </OneMoreThan> </Rank> </Match> ;
20 matches if rank is one more than third card
      <Match> <Rank> <OneMoreThan> 3 </OneMoreThan> </Rank> </Match> ;
      matches if rank is one more than fourth card
    </RuleSet>
  </Combo>

```

```

25 <Combo>
    <WinID> 9 </WinID> ; straight with ace high
    <WinAmount> 5 </WinAmount>

```

```

  <RuleSet>
    <Match> <Rank> <Value> 1 </Value> </Rank> </Match> ; match ace
    <Match> <Rank> <Value> 10 </Value> </Rank> </Match> ; matches if
    rank is 10
    <Match> <Rank> <OneMoreThan> 1 </OneMoreThan> </Rank> </Match> ;
    matches if rank is one more than second card
35 <Match> <Rank> <OneMoreThan> 2 </OneMoreThan> </Rank> </Match> ;
    matches if rank is one more than third card
    <Match> <Rank> <OneMoreThan> 3 </OneMoreThan> </Rank> </Match> ;
    matches if rank is one more than fourth card
  </RuleSet>
40 </Combo>

```

```

  <Combo>
45 <WinID> 10 </WinID> ; three of a kind
    <WinAmount> 3 </WinAmount>

```

```

  <RuleSet>
    <Match> </Match> ; match any card
50 <Match> <Rank> <SameAs> 0 </SameAs> </Rank> </Match> ; matches if
    rank is same as first card
    <Match> <Rank> <SameAs> 0 </SameAs> </Rank> </Match> ; matches if
    rank is same as first card
  </RuleSet>
55 </Combo>

```

```

  <Combo>
60 <WinID> 11 </WinID> ; two pair

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```

    <WinAmount> 1 </WinAmount>

    <RuleSet>
      <Match> </Match> ; match any card
5      <Match> <Rank> <SameAs> 0 </SameAs> </Rank> </Match> ; matches if
      rank is same as first card
      <Match> </Match> ; match any card
      <Match> <Rank> <SameAs> 2 </SameAs> </Rank> </Match> ; matches if
10     rank is same as third card
    </RuleSet>
  </Combo>

15  <Combo>
    <WinID> 12 </WinID> ; pair of jacks
    <WinAmount> 1 </WinAmount>

    <RuleSet>
20     <Match> <Rank> <Value> 11 </Value> </Rank> </Match>
      <Match> <Rank> <SameAs> 0 </SameAs> </Rank> </Match> ; matches if
      rank is same as first card
    </RuleSet>
  </Combo>

25  <Combo>
    <WinID> 12 </WinID> ; pair of queens
    <WinAmount> 1 </WinAmount>

30     <RuleSet>
      <Match> <Rank> <Value> 12 </Value> </Rank> </Match>
      <Match> <Rank> <SameAs> 0 </SameAs> </Rank> </Match> ; matches if
      rank is same as first card
    </RuleSet>
35  </Combo>

    <Combo>
      <WinID> 12 </WinID> ; pair of Kings
      <WinAmount> 1 </WinAmount>

40     <RuleSet>
      <Match> <Rank> <Value> 13 </Value> </Rank> </Match>
      <Match> <Rank> <SameAs> 0 </SameAs> </Rank> </Match> ; matches if
      rank is same as first card
    </RuleSet>
45  </Combo>

    <Combo>
      <WinID> 12 </WinID> ; pair of aces
50     <WinAmount> 1 </WinAmount>

      <RuleSet>
      <Match> <Rank> <Value> 1 </Value> </Rank> </Match>
      <Match> <Rank> <SameAs> 0 </SameAs> </Rank> </Match> ; matches if
55     rank is same as first card
    </RuleSet>
  </Combo>

</ComboSet>

```